

Amendments to the Specification

Please replace the paragraph at page 16, lines 23 through 26 with the following amended paragraph:

Initially all of the entries in all of the schedule cost records 700a-c are empty. The table of optimal schedules 410 is initialized with the result of off-line computation of optimal schedules, as described in co-pending Patent Application Attorney Docket No. 0918.1288-001 (U.S. Patent Application Serial No.: 09/549,351), entitled "Scheduling Constrained Dynamic Applications for Parallel Constrained Dynamic Applications" by Knobe et al.

Please replace the paragraph at page 20, lines 18 through 20, with the following amended paragraph:

At step 1120, the optimal schedule for the new schedule state is recomputed using the task costs stored in task cost entries 1002 in the task cost record 1000a-c corresponding to the schedule state stored in the table of task costs 900. The computation of the optimal schedule can be performed as described for off-line analysis described in co-pending application Attorney Docket No. 0918.1288-001 (U.S. Patent Application Serial No.: 09/549,351), entitled "Scheduling Constrained Dynamic Applications for Parallel Constrained Dynamic Applications" by Knobe et al. which is incorporated herein by reference in its entirety. Processing continues with step 1100.